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Amendments to Application Number
10/707,538 (Streamlined Electrolyzer)
As of 3/22/04

Amendments to Abstract

(The entire abstract is to be replaced with the following)

The Streamlined Electrolyzer minimizes the components necessary to induce an electrolytic reaction in conductive water, and harvest the product hydrogen and oxygen gasses for utilization. The Streamlined Electrolyzer produces a hydrogen and oxygen gas mixture, which can be ignited to produce a flame that can be used in a variety of commercial and residential applications.

Amendments to Claims

(All claims are to be replaced with the following)

1. The Streamlined Electrolyzer is comprised of the following components: the input valve [1], the reaction chamber [2], the liquid/gas filter [3], the product chamber [4], the output valve [5], the absorbent material [6], and the conductive element [7].
2. The Streamlined Electrolyzer produces hydrogen and oxygen gasses according to the method of electrolysis proposed in patent number 6,033,549 with the following distinctions: the Streamlined Electrolyzer will not individually collect hydrogen or oxygen gas; the Streamlined Electrolyzer will not individually transport hydrogen or oxygen gas; the Streamlined Electrolyzer will not individually store hydrogen or oxygen gas; the Streamlined Electrolyzer will not separate hydrogen and oxygen gasses from one another.
3. The following attributes of the Streamlined Electrolyzer are distinct from coexisting Electrolyzer patents: the Streamlined Electrolyzer does not include individual anode and cathode elements, it contains a single element with an applied alternating current; the hydrogen and oxygen gasses produced by the Streamlined Electrolyzer are not intended to be separated, they are to be utilized as a hydrogen and oxygen gas mixture.
4. The Streamlined Electrolyzer contains the input valve [1].
5. The Streamlined Electrolyzer contains the output valve [5].
6. The Streamlined Electrolyzer contains the reaction chamber [2].